Module 6

Transit & Mobility

Transit & Mobility

User Needs

- Transit Management and Coordination

- Electronic Fare Payment

- Data Sharing

- System Operational Effectiveness

- Real Time Traveler Information

Source: Rural ITS User Needs, 1999

Stakeholder Partners

Who are they?

Emergency Service Providers

Operation & Maintenance Professionals

Tourism Industry

National Weather Service

Partnering Together

Local, State & National Government

Transit Professionals

Law Enforcement Professionals

Transportation Professionals

Applicable Technologies

- Automated Vehicle Location
- Automated Scheduling
- Computer Aided Dispatch
- In-Vehicle Route Guidance
- Electronic Fare Payment
- Rural Addressing
- Enhanced Communication
- Financial Management

Projects

- STAR Transit in Sweetwater, WY
- Arrowhead, MN Advanced Rural Transit Information & Coordination
- Cape Cod Rural Advanced Intermodal Transportation System

STAR Transit in Sweetwater County, WY

- Working in cooperation with local human service and coordinating agencies

- Installed a semi-automated dispatching system

- Dispatching system tracks demographic and trip information for every passenger trip

Arrowhead Region, MN Advanced Rural Transit Information & Coordination

- Coordinates communication between transit vehicles and the central dispatch facility

- Includes automatic vehicle locator system and scheduling system

Source: TCRP A - 21, 1999

Cape Cod Rural Advanced Intermodal Transportation System

- Development of
  - computer aided dispatching system
  - automated vehicle location system
  - SmartCard & mobile data terminal system
- Evaluation on
  - fixed route,
  - shuttle,
  - paratransit, and
  - Council of Aging transit vehicles.